GOVERNMENT OF INDIA
HEAVY INDUSTRIES AND PUBLIC ENTERPRISES
LOK SABHA

UNSTARRED QUESTION NO:2597
ANSWERED ON:01.08.2017
MoU Signed by BHEL
Innocent Shri

Will the Minister of HEAVY INDUSTRIES AND PUBLIC ENTERPRISES be pleased to state:

(a) the details of MoU signed by Bharat Heavy Electricals Limited (BHEL) during the last three years; and
(b) whether the Government is taking initiatives to increase the orders received by BHEL and if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF HEAVY INDUSTRIES AND PUBLIC ENTERPRISES (SHRI BABUL SUPRIYO)

(a) : The details of various Memorandum of Understanding (MoU) signed by Bharat Heavy Electricals Limited (BHEL) during the last three years viz. 2014-15, 2015-16 and 2016-17 are given at Annexure.

(b) : Department of Heavy Industry (DHI), Ministry of Heavy Industries & Public Enterprises undertakes review meetings with BHEL on regular basis and through suitable interventions provides required support in taking up issues of the Company with other Government Agencies/ Departments/ Ministries/ customers etc. on case to case basis. In this regard, various inter-ministerial interventions by DHI have been taken up to enhance the competitiveness of BHEL and also aimed to improve its order book position, besides facilitating the domestic industry in general which operate in a globally stiff competitive environment. These interventions in the recent past inter-alia include :

- Taking up the issue for modification of Central Electricity Authority (CEA) advisory on 'Sourcing of supercritical units from indigenous manufacturers' in order to provide a qualifying route for domestic manufacturers. CEA issued the modified advisory on 27.01.2017.

- For grant of Environment Clearance (EC) with MoEF&CC for 4x270 MW Bhadradri project of TSGENCO, and 5x800 MW Yadadri supercritical project of TSGENCO, the orders of which were placed on BHEL. The EC has since been granted to these projects.
- For grant of Environment Clearance (EC) with MoEF&CC for 1x660 MW Panki power project of UPRVUNL, where BHEL is the lowest bidder. The EC to this project has been granted on 29.06.2017.
- Taking up with the Ministry of Power (MoP) for award of alternate project(s) to BHEL in lieu of DVC"s 2x660 MW Raghunathpur project, which was awarded to BHEL under the 660 MW Bulk tender. The Raghunathpur project subsequently stalled after award of order to BHEL.
- Efforts for revival of various stressed power projects where BHEL is involved as a contractor.
- Taking up with the Ministry of Railways for supply of mainline electric locomotives by BHEL to the Indian Railways.

- Taking up with the Ministry of Petroleum & Natural Gas for sourcing of Onshore land Rig equipment from BHEL.
- Providing need based interventions in respect of funding support for overseas power projects including through Govt. of India Lines of Credit/ grants.

Annexure

Major Memorandum of Understanding (MoU) signed by BHEL during 2014-15, 2015-16 and 2016-17

A. MoU between BHEL and Department of Heavy Industry, Ministry of Heavy Industries and Public Enterprises

Year Month of signing Brief details / Remarks
2014-15 05/2014 A negotiated agreement and contract based on the Guidelines of the Department of Public Enterprises (DPE) inter-alia containing the performance parameters and targets for the respective financial years for BHEL.
2015-16 09/2015
2016-17 08/2016

B. MoU between BHEL and BHEL-Electrical Machines Limited (BHEL-EML), Kasaragod (subsidiary of BHEL)

Year Month of signing Brief details / Remarks
2014-15 06/2014 A negotiated agreement and contract based on the Guidelines of the DPE inter-alia containing the performance parameters and targets for the respective financial year for BHEL-EML, Kasaragod − a CPSE in which BHEL is majority shareholder.
2015-16 05/2015
2016-17 08/2016

C. Other MoUs

Sl. No. Month/Year of signing Other Agency / Organisation Brief details / Remarks

2014-15

a) Business related co-operation

1. 10/2014 Telangana State Power Generation Corporation (TSGENCO) Setting up of 6,000 MW of Thermal Power Plants in the State of Telangana
2. 11/2014 GE Global Sourcing India Pvt. Ltd. Revalidation of earlier MoU for association as an equity partner and supply of equipment and sub-assemblies to new mainline diesel locomotive factory at Marhowra, Saran District, Bihar for supply of diesel electric locomotives to Railways
3. 12/2014 Mishra Dhatu Nigam Limited (Midhani) and Hindustan Shipyards Limited (HSL) To form a consortium to jointly stake claim with the Ministry of Defence for being considered as a prospective bidder for the proposed P-75 (I) project of the Indian Navy for building of submarines
4. 01/2015 Gujarat Energy Research & Management Institute (GERMI) For promoting training of contractors for rooftop installations
5. 02/2015 NEC India Pvt. Ltd. Jointly undertake market study related to:
1. Smart Energy; 2. Smart Water Solutions (including Water Treatment solutions);
3. Security & Surveillance Solutions
6. 04/2014 Skipper Electricals India Limited, India For prequalification in a Transmission Line Project in Kenya
7. 04/2014 McNally Bharat Engineering Company Limited, India Setting up of 300 MW Thermal Power Plant in South Africa
8. 04/2014 A Government Agency of Yemen Setting up of 50 MW and 1-2 MW Solar Photovoltaic Power Plants at different locations in Yemen
9. 06/2014 A Government Agency of Burkina Faso For Electro-mechanical package for a 21 MW hydro-power project in Burkina Faso
10. 08/2014 Tabas Coke Company, Iran Setting up of a Waste Heat Recovery Steam Power Plant (of minimum 40 MW) in Iran
11. 10/2014 PT Merlasakti Abadi & PT Feedback Infra, Indonesia Setting up 30-45 MW Solar Power Project in Indonesia
12. 12/2014 A Government Agency of Rwanda Setting up of a Hydro Power Plant in Rwanda
13. 03/2015 A Government Agency of Kyrgyzstan Setting up of Hydro Power Plants in Kyrgyzstan
14. 03/2015 PT Multi Fabriodo Gemilang, Indonesia Setting up of 2 x 150 MW / 2 x 100 MW Coal Fired Power Plant in Indonesia

b) Technology related co-operation

15. 03/2015 Central Institute for Plastics Engineering & Technology, Bhubaneswar Consultancy in R&D projects in the areas of plastics, thermoplastics, nano-composites, fibres, ceramics and other relevant areas - as per the need of BHEL
16. 03/2015 Indian Institute of Technology − at Chennai, Kanpur and Delhi Consultancy in R&D projects in the areas of advanced materials for super-critical applications, nano-materials, surface coatings, robotics, acoustics, noise control, turbo machinery, Computational Fluid Dynamics (CFD), electrical machines, cryogenics and similar other areas of relevance to BHEL

2015-16

a) Business related co-operation

1. 10/2015 Bhabha Atomic Research Centre (BARC)
Design, Development and Supply of Steam Turbine, Generator and Steam Cycle Auxiliaries for 300 MWe Advanced Heavy Water Reactors (AHWR)
2. 10/2015 Singareni Collieries Company Limited (SCCL) Setting up of 1x600 MW in Adilabad by BHEL on EPC basis
3. 02/2016 Megha Engineering & Infrastructure Limited (MEIL) For participating in tenders (of different packages) for Palamuru RangaReddy Lift Irrigation Scheme (PRLIS) − as per tender conditions
4. 07/2015 GE Global Sourcing India Pvt. Ltd. Revalidation of earlier MoU for association as an equity partner and supply of equipment and sub-assemblies to new mainline diesel locomotive factory at Marhowra, Saran District, Bihar for supply of diesel electric locomotives to Railways
5. 08/2015 Kawasaki Heavy Industries Limited and Toshiba Corporation To set forth the understanding and interpretation of Joint Bidding Agreement which was submitted to Ministry of Railways for prequalification in Procurement-cum-maintenance tender of EMU trainsets
6. 09/2015 Abengoa, Spain Revalidation of the earlier MoU for jointly bidding for CSP projects
7. 10/2015 Bharat Pumps and Compressors Ltd. For mutual co-operation to manufacture Mud Pumps ordered on BHEL
8. 01/2016 Kawasaki Heavy Industries Limited For association through transfer of technologies and the indigenised manufacture rolling stock for Mumbai-Ahmedabad High Speed Corridor in line with provisions of Memorandum of Cooperation on high speed railways executed between Govt. of Japan and Govt. of India on 12.12.2015
9. 03/2016 Kawasaki Heavy Industries Limited To set forth the understanding and interpretation of Consortium Agreement for prequalification in tender for rolling stock floated by Mumbai Metro Rail Corporation for Mumbai Metro Line 3
10. 04/2015 Steel Mont Trading Co., Ukraine R&M of Thermal Power Plants of Ukraine Govt. Utility
11. 04/2015 INTMA, Russia Co-operation for Power Projects in Russia
12. 06/2015 State Production Association (SPA) Belenergo, Belarus Setting up of Combined Heat & Power Plants in Belarus
13. 06/2015 Sol Group, U.K. Setting up of 400 MW Combined Cycle Power Plant in Ghana
14. 07/2015 Samruk Energy, Kazakhstan;
Kazakhstan Utility System, Kazakhstan;
KAZNEX Invest, Kazakhstan Co-operation for Power Projects in Kazakhstan
15. 12/2015 Petrochemicals (Cambodia) Refinery Limited and AMG Mekong Resources Pte. Ltd. Singapore Setting up of 4 x 125 MW Coal Fired Power Plant in Cambodia

b) Technology related co-operation

16. 04/2015 Indian Institute of Technology, Kharagpur
Consultancy in R&D projects in the areas of advanced materials for super-critical applications, nano-materials, surface coatings, robotics, acoustics, noise control, turbo machinery, Computational Fluid Dynamics (CFD), electrical machines, cryogenics and similar other areas of relevance to BHEL
17. 05/2015 Indian Institute of Technology − at Guwahati, Bombay and Hyderabad
18. 07/2015 Indian Institute of Engineering Science and Technology, Shibpur
19. 11/2015 Indian Institute of Technology, Roorkee
20. 11/2015 International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad Consultancy in R&D projects in the areas of Nano-materials, Carbon Nanotubes, Solar Energy, Engineered Coatings, Solgel Coatings, Ceramics, Laser Processing, Fuel Cells, Structural Characterization etc.
21. 12/2015 Mishra Dhatu Nigam Ltd. (MIDHANI), Hyderabad Consultancy in R&D projects in the areas of Super alloys, Special Steels, Investment cast products etc. and similar other areas of relevance to BHEL

2016-17

a) Business related co-operation

1. 12/2016 Mishra Dhatu Nigam Limited (Midhani) and Hindustan Shipyards Limited (HSL) Revalidation of the earlier MoU for jointly addressing P-75 (I) project of the Indian Navy for building submarines
2. 01/2017 National Environmental Engineering Research Institute (NEERI) For jointly working on identified projects of water and waste water treatment in Municipal Segment
3. 03/2017 Reliance Defence and Engineering Limited (Formerly Pipavav Defence & Offshore Engineering Company Limited) India Co-operation to leverage respective strengths and competencies for the mutual benefit - provide solutions to customers in various businesses having synergy of operations
4. 07/2016 NHPC Ltd., India Co-operation in overseas hydro power projects

b) Technology related co-operation

5. 06/2016 Indian Institute of Science, Bangalore Consultancy in R&D projects in the areas of advanced materials for super-critical applications, nano-materials, surface coatings, robotics, acoustics, noise control, turbo machinery, Computational Fluid Dynamics (CFD), electrical machines, cryogenics and similar other areas of relevance to BHEL
6. 08/2016 Indian Institute of Technology, Bhubaneswar
7. 12/2016 National Institute of Technology, Warangal

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